Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A method of improving the performance of a relational database data reduction from a source database to a target database, comprising of:

analyzing time and date stamp of a record in the source database to determine if the record has been changed as a result of a change of position of a lot from a first equipment to a second equipment;

in response to a determination that the record has been changed, locating the record in a target table of the first equipment in the target database based on an identifier of the lot in the record;

deleting the record from the target table of the first equipment in the target database; and

inserting the record into a target table of the second equipment in the target database.

2. (Previously Presented) The method of claim 1, wherein the target table of the first equipment includes at least one lot that is associated with the first equipment.

3. (Previously Presented) The method of claim 1, wherein the target table of the second equipment includes at least one lot that is associated with the second equipment.

4. (Previously Presented) The method of claim 1, wherein the analyzing step, the locating step, the deleting step and the inserting step are performed by a loader program.

5. (Previously Presented) The method of claim 1, wherein the record in the source database that has been changed is no longer valid.

6. (Previously Presented) The method of claim 1, wherein the source database comprises a source table of the first equipment and a source table of the second equipment.

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7. (Previously Presented) The method of claim 6, wherein the source table of the first equipment is synchronized with the target table of the first equipment, and wherein the source table of the second equipment is synchronized with the target table of the second equipment.

8. (Previously Presented) The method of claim 1, wherein the record in the target table can be exported to another database or software system.

9. (Previously Presented) A method for refining data replication between a source database and a target database, comprising of:

determining if a record in the source database has been changed as a result of a change of position of a lot from a first equipment to a second equipment;

in response to a determination that the record in the source database has been changed, locating a record in a target table of the first equipment in the target database based on an identifier of the lot in the record;

deleting the record from the target table of the first equipment in the target database; and

inserting the record into a target table of a second equipment in the target database.

10. (Previously Presented) The method of claim 9, wherein source tables of the first and second equipments are synchronized with target tables of the first and second equipments respectively.

11. (Previously Presented) The method of claim 9, wherein the determining step comprises analysis of time and date stamp of the record in said source database.

12. (Previously Presented) The method of claim 9, wherein the determining step, the locating step, the deleting step, and the inserting step are performed by a loader program.

13. (Previously Presented) The method of claim 12, wherein said loader program is capable of displaying on a central monitor a manufacturing equipment environment and a lot status.

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14. (Previously Presented) A system for improving the performance of a relational database data reduction from a source database to a target database, comprising of:

analyzing means for analyzing time and date stamp of a record in the source database to determine if the record has been changed as a result of a change of position of a lot from a first equipment to a second equipment;

locating means for locating the record in a target table of the first equipment in the target database based on an identifier of the lot in the record in response to a determination that the record has been changed;

deleting means for deleting the record from the target table of the first equipment in the target database; and

inserting means for inserting the record into a target table of the second equipment in the target database.

15. (Previously Presented) The system of claim 14, wherein the target table of the first equipment includes at least one lot that is associated with the first equipment.

16. (Previously Presented) The system of claim 14, wherein the target table of the second equipment includes at least one lot that is associated with the second equipment.

17. (Previously Presented) The system of claim 14, wherein the analyzing means, the locating means, the deleting means and the inserting means are performed by a loader program.

18. (Previously Presented) The system of claim 14, wherein the record in the source database that has been changed is no longer valid.

19. (Previously Presented) The system of claim 14, wherein the source database comprises a source table of the first equipment and a source table of the second equipment.

20. (Previously Presented) The system of claim 19, wherein the source table of the first equipment is synchronized with the target table of the first equipment, and wherein the source table of the second equipment is synchronized with the target table of the second equipment.

21. (Previously Presented) The system of claim 14, wherein the record in the target table can be exported to another database or software system.

22. (Previously Presented) A system for refining data replication between a source database and a target database, comprising of:

determining means for determining if a record in the source database has been changed as a result of a change of position of a lot from a first equipment to a second equipment;

locating means for locating the record in a target table of the first equipment in the target database based on an identifier of the lot in the record in response to a determination that the record in the source database has been changed;

deleting means for deleting the record from the target table of a first equipment in the target database; and

inserting means for inserting the record into a target table of the second equipment in the target database.

23. (Previously Presented) The system of claim 22, wherein a source table of the first equipment in the source database is synchronized with the target table of the first equipment and a source table of the second equipment in the source database is synchronized with the target table of the second equipment.

24. (Previously Presented) The system of claim 22, wherein the determining means comprises analyzing means for analyzing time and date stamp of the record in said source database.

25. (Previously Presented) The system of claim 22, wherein the determining means, the locating means, the deleting means, and the inserting means are performed by a loader program.

26. (Previously Presented) The system of claim 25, wherein said loader program is capable of displaying on a central monitor a manufacturing equipment environment and a lot status.